

# Quick Start Guide

## Vlinx Serial Servers

Models: ESP901/902/904  
ESR901/902/904



ESP901/902/904



ESR901/902/904

Model	Switch 1	Switch 2	Switch 3
ESP901	Run/console	Run/console	Run/console
ESP902	Run/console	Run/console	Run/console
ESP904	None	None	None
ESR901	Run/console	TB or DB9	None
ESR902	Run/console	None	None
ESR904	Run/console	None	None

NOTE: ESP01/902 must be ALL UP or ALL DOWN.

### 1

#### Check Package Content

- ESP901/902/904 or ESR901/902/904 unit
- Printed version of this ESP90x/ESR90x Quick Start Guide
- CD ROM containing software and a comprehensive manual
- Ext power supply (ESP901/902/904 ONLY)

### 2

#### Hardware Installation

- Connect an Ethernet cable to the ESP/ESR unit if connecting to a switch or crossover direct to the PC.
- Connect the power supply to the ESP/ESR unit and apply power.

### 3

#### Software Installation

- Insert the software CD and it should autostart into the installation wizard.
  - Follow the on screen installation wizard to install the Vlinx ESP Manager software.
- Note: Be sure you have administrative rights & disable firewalls Windows XP/Vista (see Section 8 also).

### 4

#### Configure the ESP/ESR Unit

- Click Start\Programs\B&B Electronics\Vlinx\ESP Servers\Vlinx ESP Manager and it should auto-search for attached ESP901/902/904 or ESR901/902/904 devices on startup.
- Note that the device must reside on the same subnet or it won't be seen by the Vlinx ESP Manager software for first time discovery.
- Use the Vlinx ESP Manager software to configure the unit for network information, serial device configurations, timeouts, etc (double-click on your device in the list).
- Alternative method is to set the dipswitches in console mode and use Hyperterminal set at 9600 and 8-N-1. Use the arrow and <enter> key to configure (requires null modem/cross-over serial cable connected to Port 1). Be sure to set dipswitches back to run mode when done. (Not avail. on ESP904).
- Default password = <blank>
- Reboot as necessary.

### 5

#### VCOM Installation

- Click Start\Programs\B&B Electronics\Vlinx\Install Virtual COM
- Search for all devices (must be in same subnet). Type specific IP address otherwise.
- Select your device from list (double click on your device).
- Follow the onscreen instructions and install to a COM number usually 5 or above to limit interference with existing real COM ports.
- Use Hyperterminal to verify you can open your VCOM created.

### 6

#### Serial Device Installation

- Connect the serial device to the unit using the correct cabling:
- Straight through serial cable for DCE serial device
  - Null modem (crossover) serial cable for DTE serial device

### 7

#### LED Status

LED	STATUS	Function
Power Red	Solid	Power apply
LINK Yellow or Green	Yellow Green Blinking	10BaseT 100BaseT Network data activity
READY Green	Blinking Solid	Ready/normal Bootup/reset/malfunction
Serial (if avail.) Green	OFF Solid Blinking	Port not opened Port opened TX or TX/RX serial data activity
Serial (if avail.) Red	OFF Solid Blinking	Port not opened Port opened RX serial data activity

### 8

#### Ports To Open in Firewall

Ports	Function
5300	Heartbeat & configuration setting in TCP mode (i.e. pair tunneling mode)
8888	Vlinx update
8889	Configuration setting in UDP mode
8890	Vlinx monitor
4000/1/2/3	VCOM



**International Headquarters:** 707 Dayton Road PO Box 1040 Ottawa, IL 61350 USA  
815-433-5100 Fax 433-5104 [www.bb-elec.com](http://www.bb-elec.com) [orders@bb-elec.com](mailto:orders@bb-elec.com) [support@bb-elec.com](mailto:support@bb-elec.com)

**European Headquarters:** Westlink Commercial Park Oranmore Co. Galway Ireland  
+353 91 792444 Fax +353 91 792445 [www.bb-europe.com](http://www.bb-europe.com) [orders@bb-europe.com](mailto:orders@bb-europe.com) [support@bb-europe.com](mailto:support@bb-europe.com)